

EFFECT OF VARIABLES ON SOLUBLE MOLYBDENUM

EFFECT OF FINAL TITRATED ACID ON SOLUBLE MOLYBDENUM

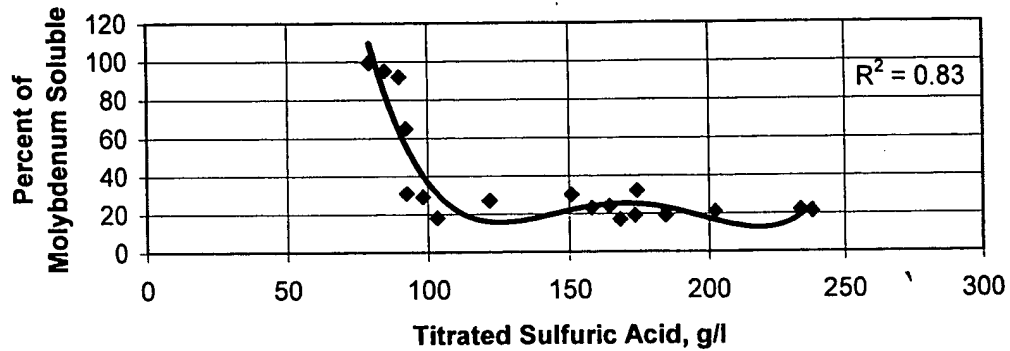


FIG. 1a

EFFECT OF SOLUBLE IRON CONCENTRATION ON SOLUBLE MOLYBDENUM

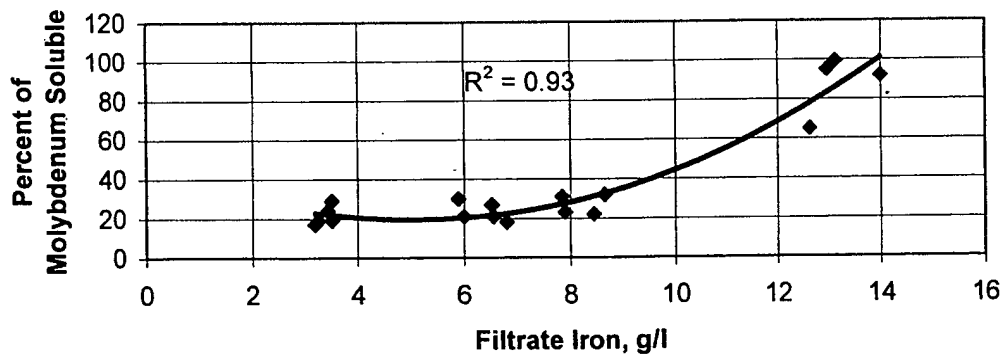


FIG. 1b

EFFECT OF EXCESS SULFURIC ACID CONCENTRATION ON SOLUBLE MOLYBDENUM

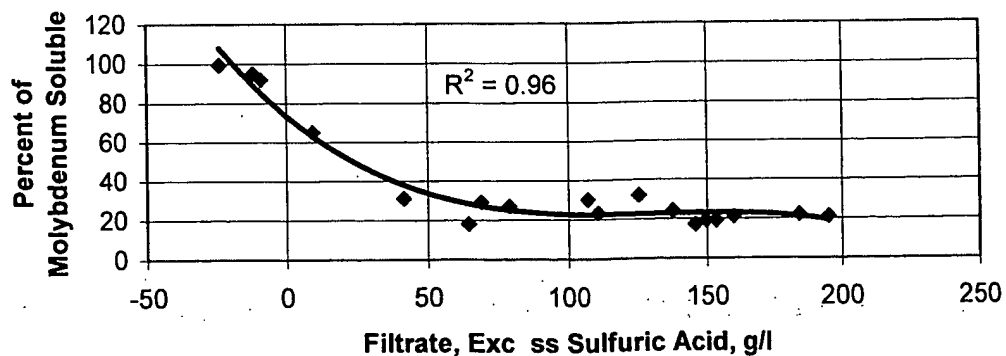
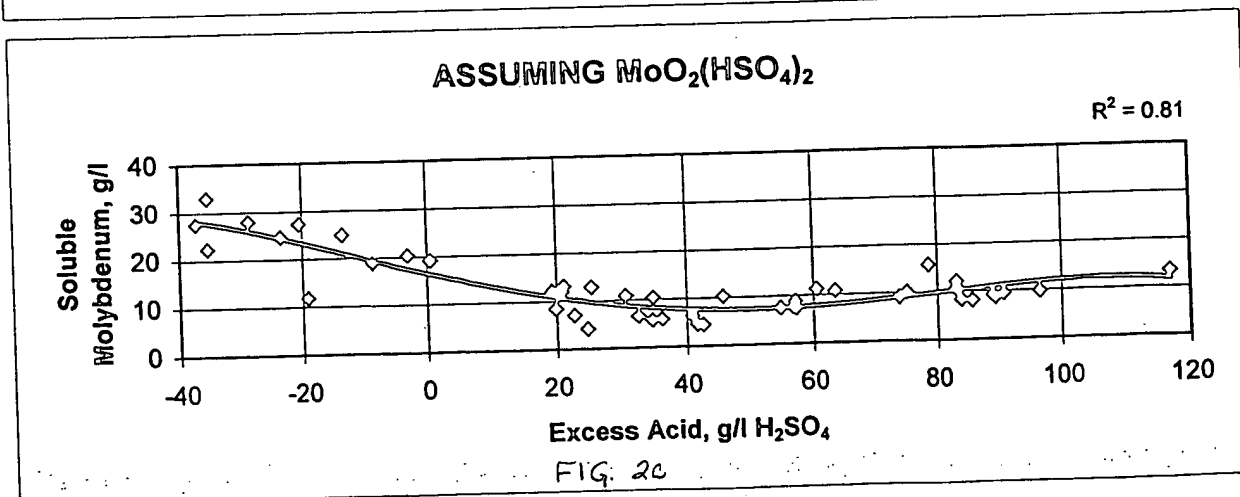
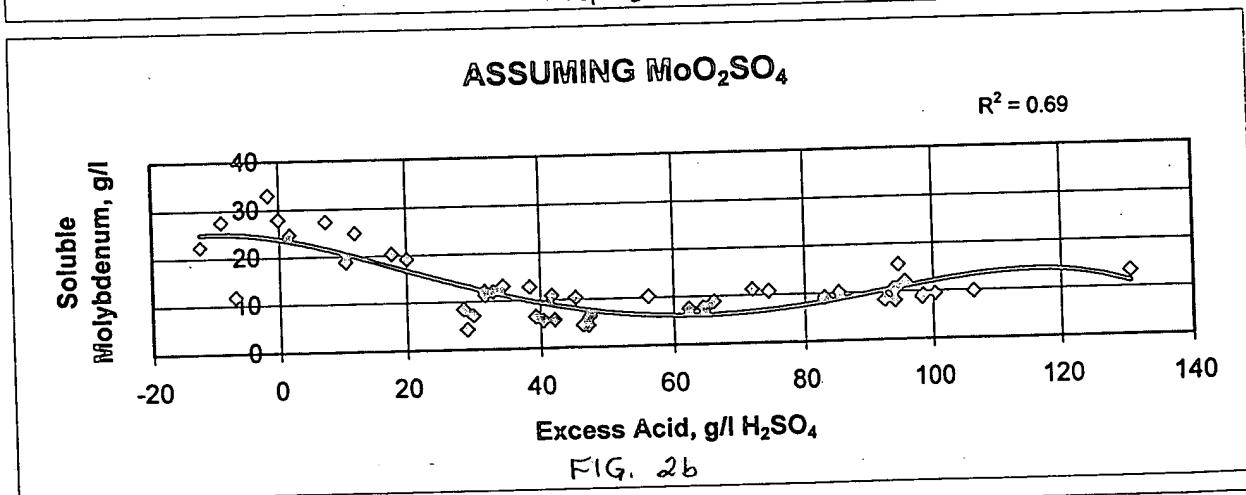
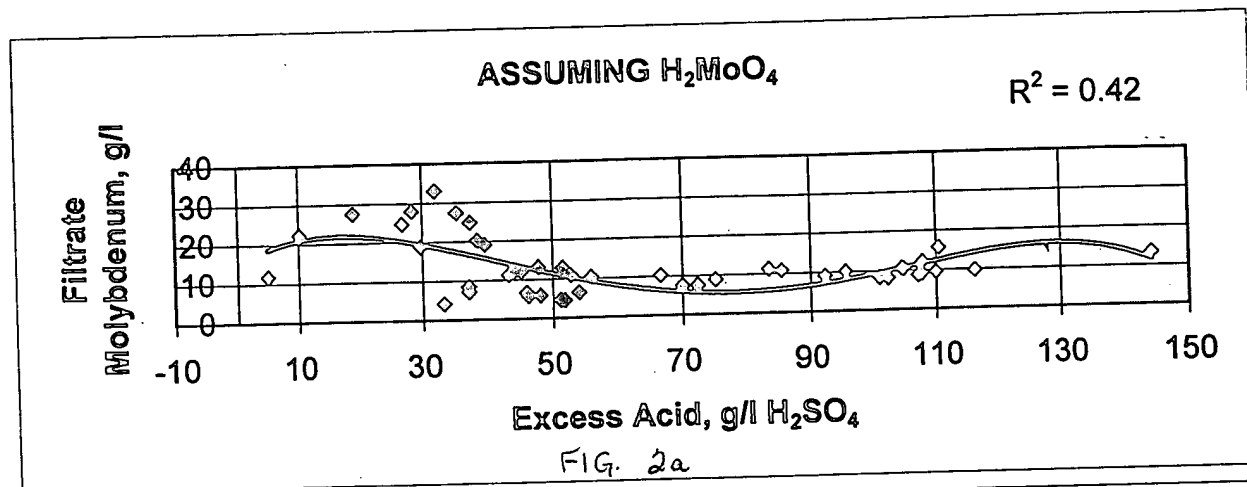


FIG. 1c

EFFECT OFF EXCESS ACID IN FILTRATE ON SOLUBLE MOLYBDENUM



TITRATED ACID vs EXCESS ACID

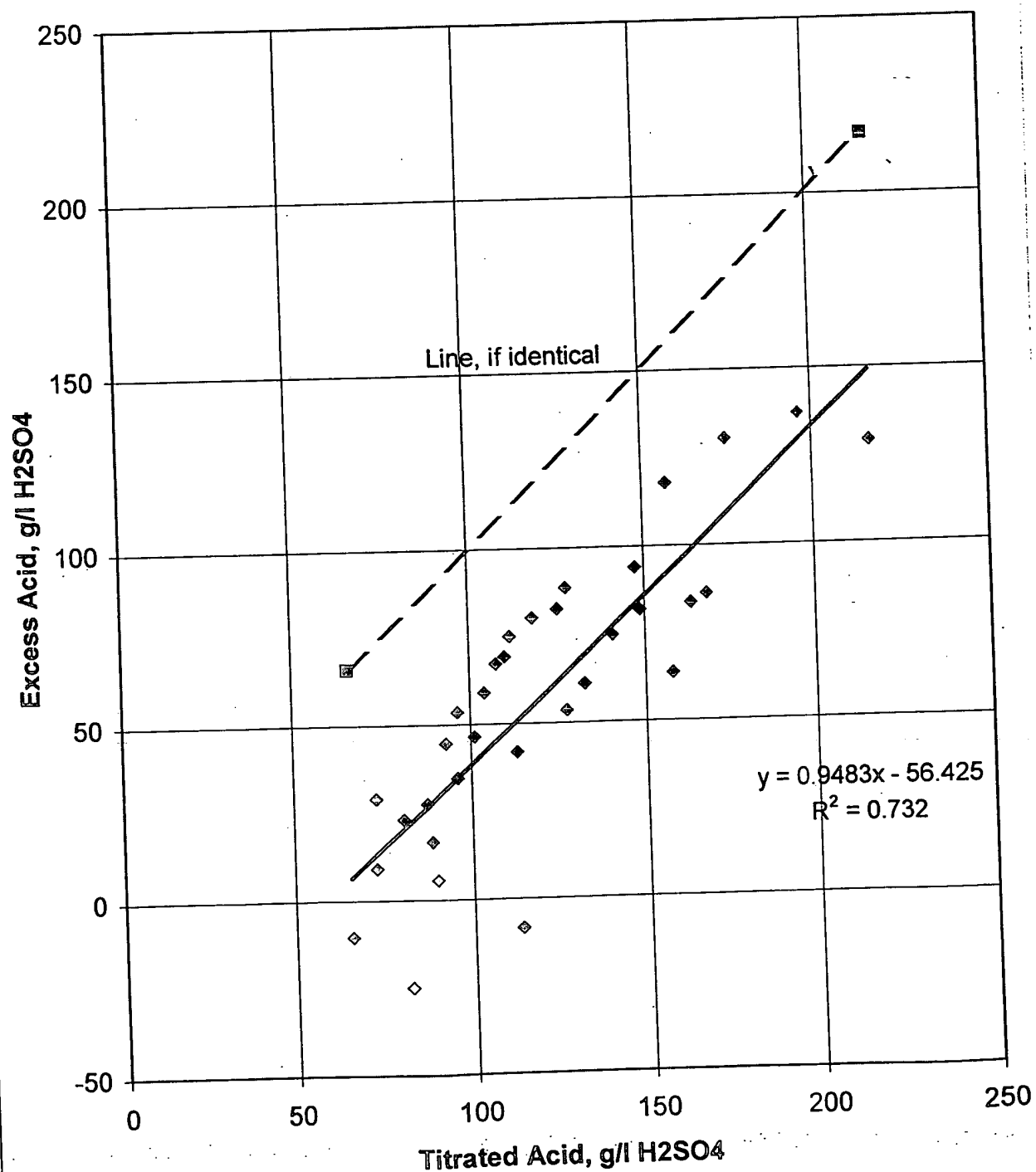


FIG. 3

Concentrate

Recycle Solution

| | |
|--|---------|
| Initial prediction, Mo g/l ("L") | 22.59 |
| If all MoS ₂ soluble, g/l Mo ("M") | 0 |
| Mo from MoS ₂ precipitated, g/l ("N") | -22.59 |
| Percent precipitated ("O") | #DIV/0! |
| Acid from addl pptn, mol/l ("P") | #DIV/0! |
| Gross excess acid, mol/l ("Q") | #DIV/0! |
| Final predicted Mo g/l ("R") | #DIV/0! |
| Corrected so solubility does not exceed "M", "S" | #DIV/0! |

```

"H"      - ("B" * 3) - ("C" - "B" * 0.5) + ("A" * 0.2 * 2) + ("C" * 0.3 * 3)
"I"      ("G" + ((3 * "D") - (2 * "E") - (3 * "F"))) / 2
"J"      "I" + "H"
"K"      ((("C" * 0.7) + "F") * 55.85
"L"      (-10.369 * ("J" ^ 3)) + (38.992 * ("J" ^ 2)) + (-46.065 * "J") + 25.892 + ("K" / 3) - 3.3
"M"      "96 * "A"
"N"      "M" - "L"
"O"      "N" / "M"
"P"      ("O" - 0.2) * (A * 4 / 2)
"Q"      "I" + "C" + "P"
"R"      (-10.369 * ("Q" ^ 3)) + (38.992 * ("Q" ^ 2)) - (46.065 * "Q") + 25.892 + ("K" / 3) - 3.3
"S"      If("R" > "M", "M", "R")

```

FIG. 4

POX-000000

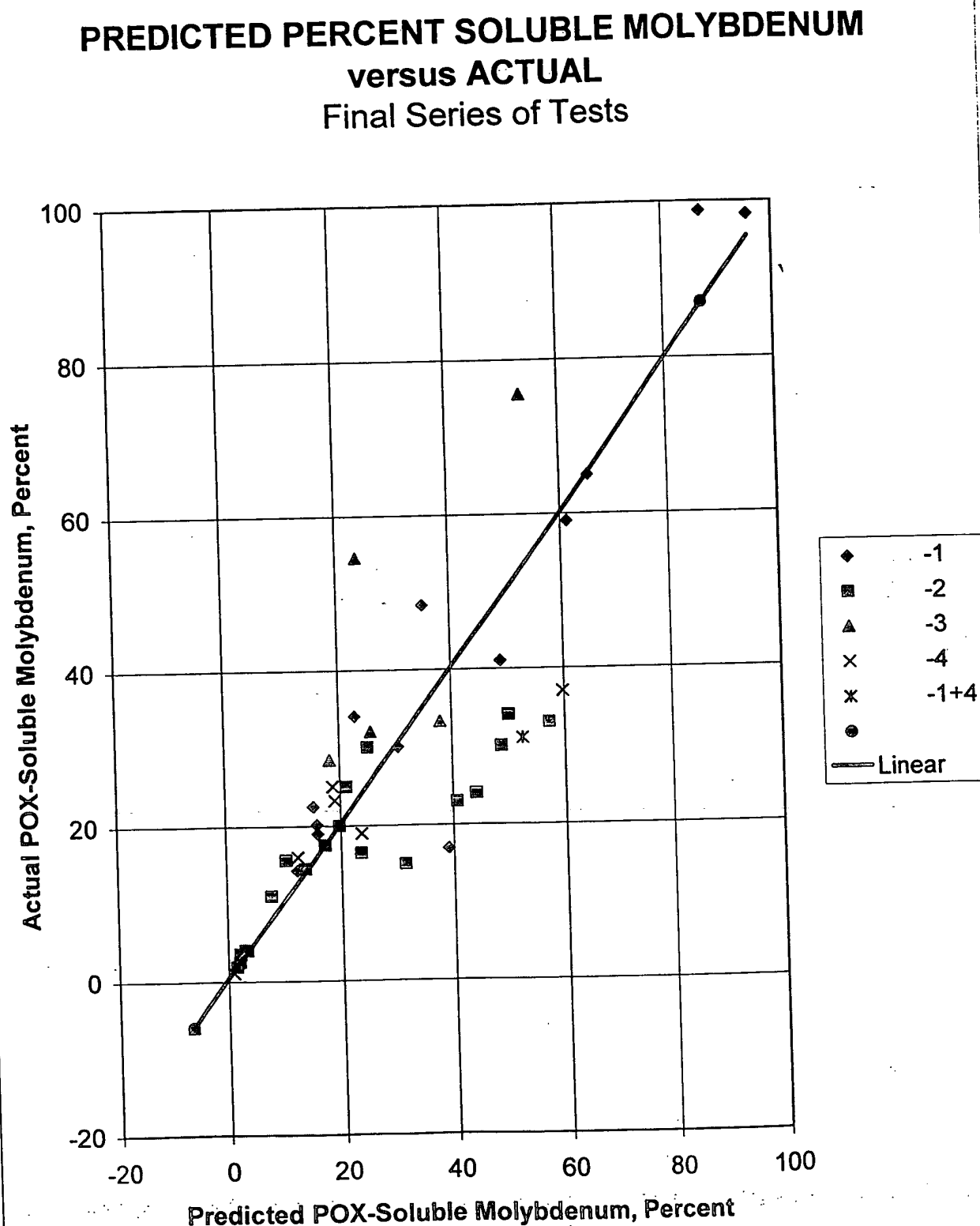


FIG. 5